



Auto Post Burner

BT70A is designed to ensure highest precision battery post burning quality with simplest ever available process in the battery industry. The machine incorporates 'weld tip type' post welding technology which ensures bonding thickness of lid bushing with element terminal upto to 10mm.

Super heavy duty CNC machine manufactured frame with enhanced stiffness. Chain driven battery conveyor with automatic battery 'stop & go' device for efficient battery feeding into the machine main station. Automatic battery stop and fixing facilities provided with easy and fast changeover features. All battery contacting zones at the conveyor are covered with special anti-scratch tapes to eliminate damages on the battery surfaces.

QUICK OUTLOOK

- Advanced weld tip burning technology
- Compact design
- Integrated safety measures
- Up to 3 batteries a minute (single head)
- Supplied many clients worldwide
- Comprehensive technical documentation and efficient after-sales support

Siemens S7 PLC controlled automation with highest precision calibrated temperature control devices. Easy and fast

adjust welding heads with individual drive wheels. Spring loaded welding moulds to compensate heat sealing variations. Water cooled welding moulds with individual temperature and cooling water flow control. Gas and oxygen inlet manifolds with pressure regulation and controls for each utility. Special gas and oxygen valves with leak tested copper piping. Flashback arrestors for each welding head or gas and oxygen supply. Easy access flow meters and needle valves for each welding heads. Heavy duty fuel efficient burning gang specially fabricated for this application.

BASIC FEATURES

- Compact design with heavy duty frame for high precision battery processing.
- PLC controlled processing parameters for better control and supervision of machine operation.
- Servo controlled acceleration and deceleration of 'weld tip' type burning head for unsurpassed welding quality and thickness.
- User friendly and simple setup and changeover features

Servo controlled welding up/down motion with alterable acceleration and deceleration speeds for suiting various processing requirements of end users. Alterable acceleration and deceleration coordinates to easily configure the machine for various battery dimensions.

Siemens S7 PLC controlled automation with highest precision calibrated temperature control devices. Easy and fast adjust welding heads with individual drive wheels. Spring loaded welding moulds to compensate heat sealing variations. Water cooled welding moulds with individual temperature and cooling water flow control.



Machine front is covered with aluminum profile with tampered glass for safety purpose. Machine top side is supplied with exhaust hood. Machine frame is supplied with height setting foot with bolting holes.

OPTIONS

- Mitsubishi PLC and servo drive
- Double head configuration
- Automatic push button changeover
- UV flame detection
- Motorized infeed conveyor
- Spare part set
- Networkable PLC
- Chiller
- Post height check station

Siemens HMI for operating controls provided at the machine front side operator panel. All machine settings and production data can be tracked via this touch screen panel.

AVAILABLE SERVICES

- Full English documentation in hard and soft copy
- Installation & commissioning
- Remote access PLC support
- Phone support
- On-site service support
- 12 month warranty

Machine is capable to process up to three batteries a minute with a single head configuration. Typical changeover time (with standard version) is 15 minutes.



TECHNICAL DATA

Battery Types	:	1x6 cell batteries with 'I' and 'L' type lid bushing
Capacity	:	Up to three batteries a minute (with single head)
PLC	:	Siemens S7
HMI	:	Siemens TP170 series
Servo Drive	:	SEW
Pneumatic	:	Festo / SMC
Electric	:	220/380V – 3 Phases – 50/60 Hz.
Installed Power	:	3 Kw
Compressed Air	:	6 Bar – 1 cbm/hr (clean and dry air)
Fuel (Gas)	:	LPG or Natural Gas (50µ filtered)
Fuel Inlet Pressure	:	Min. 600 mBar
Oxygen Pressure	:	Min. 3 Bar
Cooling Water	:	20 L/min @ 15°C – max 4 Bar
Typical Weight	:	1.200 Kg (uncrated)